



A service of the National Library of Medicine  
and the National Institutes of Health

My NCBI  
[Sign In] [Register]

[All Databases](#)
[PubMed](#)
[Nucleotide](#)
[Protein](#)
[Genome](#)
[Structure](#)
[OMIM](#)
[PMC](#)
[Journals](#)
[Books](#)

Search  for

[Limits](#)
[Preview/Index](#)
[History](#)
[Clipboard](#)
[Details](#)

About Entrez  
NCBI Toolbar

Text Version

- Search History will be lost after eight hours of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Search	Most Recent Queries	Time	Result
<a href="#">#33</a>	Search "transgenic mice" and "human antibody" and expression and Th2	10:31:28	<a href="#">0</a>
<a href="#">#32</a>	Search #31 and Th2	10:30:46	<a href="#">39</a>
<a href="#">#31</a>	Search "transgenic mice" and "human and antibody" and expression	10:30:08	<a href="#">802</a>
<a href="#">#30</a>	Search "transgenic mice" and "human and antibody"	10:29:59	<a href="#">1753</a>
<a href="#">#29</a>	Search "transgenic mice" and human and antibody	10:29:42	<a href="#">1753</a>
<a href="#">#28</a>	Search "transgenic mice"	10:29:22	<a href="#">37386</a>
<a href="#">#27</a>	Search human antibody expression and "transgenic mice"	10:29:05	<a href="#">802</a>
<a href="#">#25</a>	Search Bruggemann m	10:27:43	<a href="#">72</a>
<a href="#">#24</a>	Search "human monoclonal antibody" and mouse model	10:25:33	<a href="#">40</a>
<a href="#">#23</a>	Search "human monoclonal antibody" and mice	10:23:07	<a href="#">232</a>
<a href="#">#22</a>	Search "human monoclonal antibody" and transgenic	10:21:44	<a href="#">11</a>
<a href="#">#21</a>	Search "monoclonal" and transgenic and Th2	10:21:08	<a href="#">63</a>
<a href="#">#20</a>	Search "monoclonal" and transgenic	09:51:38	<a href="#">1569</a>
<a href="#">#19</a>	Search "monoclonal Ab" and transgenic	09:51:21	<a href="#">3</a>
<a href="#">#18</a>	Search "monoclonal Ab" and transgene	09:51:16	<a href="#">0</a>
<a href="#">#17</a>	Search "monoclonal Ab" and transgene mice	09:51:09	<a href="#">0</a>
<a href="#">#13</a>	Search "monoclonal Ab" and "transgenic mice"	09:48:35	<a href="#">3</a>
<a href="#">#10</a>	Search "immunoglobulin and "transgenic mice"	09:46:14	<a href="#">27</a>
<a href="#">#9</a>	Search "immunoglobulin and transgenic mice"	09:42:46	<a href="#">6377</a>
<a href="#">#8</a>	Search immunoglobulin transgenic mice	09:42:25	<a href="#">6377</a>
<a href="#">#7</a>	Search human and immunoglobulin "transgenic mice" and	09:41:29	<a href="#">1418</a>
<a href="#">#5</a>	Search "human immunoglobulin" "transgenic mice" and Th1	09:37:56	<a href="#">1</a>
<a href="#">#4</a>	Search "human immunoglobulin" "transgenic mice" and Th2	09:37:39	<a href="#">0</a>
<a href="#">#3</a>	Search "human immunoglobulin" "transgenic mice"	09:34:57	<a href="#">67</a>

<a href="#">#2</a> Search <b>human immunoglobulin "transgenic mice"</b>	09:34:36	<a href="#">1418</a>
<a href="#">#1</a> Search <b>human immunoglobulin transgenic mice</b>	09:34:25	<a href="#">2271</a>

[Clear History](#)

[Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)  
[Department of Health & Human Services](#)  
[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Dec 14 2005 04:30:51

Set	Items	Description
S1	0	TRANSGENIC W MOUSE OR TRANSGENIC W MICE
S2	0	TRANSGENIC W MOUSE
S3	0	TRANSGENIC W MOUSE
S4	2093342	MOUSE
S5	313583	TRANSGEN?
S6	117	XENOMOUSE
S7	1	HUMAB-MOUSE
S8	7016	HUMAN (N) MONOCLONAL (N) ANTIBODY
S9	37596	TH1 AND TH2
S10	129888	S4 AND S5
S11	46	S10 AND S6
S12	9	S11 AND S8
S13	57	S10 AND S8
S14	0	S13 AND S9
S15	387089	MONOCLONAL (N) ANTIBODY
S16	2931	S10 AND S15
S17	79	S16 AND S9
S18	45	IL (W) 4 AND S17
S19	41	INTERLEUKIN (W) 4 AND S17
S20	37	RD S19 (unique items)
S21	38	RD S18 (unique items)
S22	0	C57BL/6 (N) ANTIBODY (N) PRODUCTION
S23	1066	C57BL/6
S24	42298	DS
S25	56427	ANTIBOD? (N) PRODUCTION
S26	7	S23 AND S25
S27	7	RD (unique items)
S28	35	S23 AND S15
S29	35	RD S28 (unique items)
S30	0	S9 AND "ANTIBOD? (N) SYNTHESIS
S31	5128	ANTIBODY (N) SYNTHESIS
S32	45	S31 AND S9
S33	25	RD (unique items)
?		

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTALAB1643

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 4 OCT 03 MATHDI removed from STN  
NEWS 5 OCT 04 CA/CAPplus-Canadian Intellectual Property Office (CIPO) added  
to core patent offices  
NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
of CAPplus documents for use in third-party analysis and  
visualization tools  
NEWS 8 OCT 27 Free KWIC format extended in full-text databases  
NEWS 9 OCT 27 DIOGENES content streamlined  
NEWS 10 OCT 27 EPFULL enhanced with additional content  
NEWS 11 NOV 14 CA/CAPplus - Expanded coverage of German academic research  
NEWS 12 NOV 30 REGISTRY/ZREGISTRY on STN(R) enhanced with experimental  
spectral property data  
NEWS 13 DEC 05 CASREACT(R) - Over 10 million reactions available  
NEWS 14 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE  
NEWS 15 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER  
NEWS 16 DEC 14 CA/CAPplus to be enhanced with updated IPC codes  
NEWS 17 DEC 16 MARPATprev will be removed from STN on December 31, 2005

NEWS EXPRESS DECEMBER 02 CURRENT VERSION FOR WINDOWS IS V8.01,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 02 DECEMBER 2005.  
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT  
<http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:29:24 ON 16 DEC 2005

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 12:29:37 ON 16 DEC 2005  
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
 COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE  
 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
 LAST RELOADED: Dec 9, 2005 (20051209/UP).

=> FIL HOME		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.06	0.27

FILE 'HOME' ENTERED AT 12:29:43 ON 16 DEC 2005

=> file biosis		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.63	0.90

FILE 'BIOSIS' ENTERED AT 12:31:32 ON 16 DEC 2005  
 Copyright (c) 2005 The Thomson Corporation

FILE COVERS 1969 TO DATE.  
 CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
 FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 14 December 2005 (20051214/ED)

=> s transgen? (N) mouse  
     81150 TRANSGEN?  
     778180 MOUSE  
 L1    12904 TRANSGEN? (A) MOUSE

=> s Th1 (p) Th2  
     14830 TH1  
     13605 TH2  
 L2    9034 TH1 (P) TH2

=> s monoclonal (w) antibod?  
     173749 MONOCLONAL  
     586543 ANTIBOD?  
 L3    152345 MONOCLONAL (W) ANTIBOD?

=> s antibod? (p) synthesis  
     586543 ANTIBOD?  
     549731 SYNTHESIS  
 L4    20783 ANTIBOD? (P) SYNTHESIS

=> s L1 and L2 and L3  
 L5    1 L1 AND L2 AND L3

=> d TI AB

L5 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
 TI Interaction within clusters of dendritic cells and helper T cells during  
 initial Th1/Th2 commitment.  
 AB Cytokines are the main agents known to regulate Th1/Th2  
 commitment, where they may operate through paracrine activity within

clusters of T cells gathered around dendritic cells (DC). An in vitro system is used here to test this possibility, using clusters around DC composed of naive TCR-transgenic ovalbumin peptide 323-339-specific CD4+ T cells as targets plus TCR-transgenic pigeon cytochrome C peptide 88-104-specific CD4+ polarized Th1 or Th2 cells as inducers. The polarized inducer cells exerted their maximum effect when the two T cell populations were activated within the same cluster, implemented by allowing a single DC to present both their epitopes. This finding thus supports the paracrine hypothesis. The system was then employed to explore the role of individual cytokines by means of inhibition by **monoclonal antibodies**. Development of Th2 commitment proved strictly dependent on the IL-4 produced by the Th2 inducers. For Th1 commitment, IFN-gamma and IL-12 were both needed, but with IFN-gamma required only during the initial period of culture. The rapid timing observed under these conditions places constraints on the molecular basis of commitment, and appears accurately to reflect the physiological response in vivo.

=> s L1 and L3  
L6 188 L1 AND L3

=> s L6 and L4  
L7 6 L6 AND L4

=> d TI AB

L7 ANSWER 1 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI SV40-derived ribozyme construct mediates effective destruction of human  
alpha1-antitrypsin transcripts in a **transgenic mouse**  
model.

AB Background: Human alpha1-antitrypsin (alpha1-AT) deficiency is a genetic disorder that leads to emphysema and chronic liver disease. The lung disease is thought to reflect insufficient normal alpha1-AT activity in the circulation, whereas the liver disease occurs because abnormal alpha1-AT accumulates in hepatocytes. The bi-functional liver-directed approach we are using involves inhibiting abnormal alpha1-AT protein production employing a gene-specific ribozyme, and the **synthesis** of a ribozyme-resistant wild-type protein by engineering a modified alpha1-AT cDNA. Our previous findings showed that the modified human alpha1-AT cDNA delivered by the SV40 vector led to acceptable levels of the human protein in mice for one year. In the present study, we evaluated the efficacy of ribozyme-mediated destruction of targeted human PiZ transcripts in vivo. Methods: Transgenic mice carrying the human alpha1-AT PiZ allele were infected via an indwelling catheter in the portal vein with recombinant SV40 virus containing a ribozyme designed to target human alpha1-AT mRNA. The destruction of PiZ transcripts in ribozyme-treated transgenic mice was evaluated by real time quantitative RT-PCR, and human alpha1-AT in mouse serum was quantified by ELISA, using a specific **monoclonal antibody** against human alpha1-AT. Results: Quantitative RT-PCR analysis revealed that the average reduction of human PiZ transcripts in the mouse livers was 57.1+-18.3% (p=0.05) in four mice that were sacrificed between 6 to 16 weeks after transduction with the ribozyme construct. No change in mouse albumin mRNA was found. The administration of the ribozyme lowered serum levels of human alpha1-AT to 42.4+-12.1% of pretreatment values (p<0.01) 3-25 weeks post-transduction in six mice, whereas serum human alpha1-AT levels in transgenic mice not treated with the ribozyme were unchanged. Serum human alpha1-AT in one mouse was reduced by 99% at 6 weeks, and human alpha1-AT PiZ transcripts were undetectable by quantitative RT-PCR from the liver of that mouse. Moreover, quantitative RT-PCR showed that the levels of mouse alpha1-AT, albumin, and beta-actin mRNA from that mouse remained the same as in control mice despite the essentially complete loss of the human alpha1-AT transcripts. Conclusion: Findings in

the present study demonstrated that an SV40-derived construct containing a ribozyme is highly effective in lowering human alpha1-AT mRNA and protein levels in vivo. When considered together, the results of the present study and our previous reports suggest that our recombinant SV40 virus system represents the first step in the development of a clinically valuable gene therapy approach for alpha1-AT deficiency.

=> d L7 TI 1-6

L7 ANSWER 1 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI SV40-derived ribozyme construct mediates effective destruction of human  
alpha1-antitrypsin transcripts in a **transgenic mouse**  
model.

L7 ANSWER 2 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Cellular interactions with a cryptic element within collagen type-I  
promotes B16 melanoma tumor growth in vitro and in vivo.

L7 ANSWER 3 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Human antibodies by design.

L7 ANSWER 4 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Anti-idiotypic **monoclonal antibodies** specific for the  
MOPC167 anti-phosphocholine transgene-encoded antibody.

L7 ANSWER 5 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Fetal hemoglobin induction by acetate, a product of butyrate catabolism.

L7 ANSWER 6 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI TISSUE-SPECIFIC EXPRESSION OF THE HUMAN RENIN GENE IN TRANSGENIC MICE.

=> File Medline embase caplus scisearch  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
23.75	24.65

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 12:45:27 ON 16 DEC 2005

FILE 'EMBASE' ENTERED AT 12:45:27 ON 16 DEC 2005

Copyright (c) 2005 Elsevier B.V. All rights reserved.

FILE 'CAPLUS' ENTERED AT 12:45:27 ON 16 DEC 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'SCISEARCH' ENTERED AT 12:45:27 ON 16 DEC 2005

Copyright (c) 2005 The Thomson Corporation

=> s L1 and L3

L8 1305 L1 AND L3

=> s L8 and L2

L9 27 L8 AND L2

=> duplicate remove

ENTER L# LIST OR (END):L9

DUPLICATE PREFERENCE IS 'EMBASE, CAPLUS, SCISEARCH'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):y

ENTER FILE NAMES OF DUPLICATES TO KEEP:n

'N' IS NOT VALID. VALID FILE NAMES ARE 'EMBASE, CAPLUS, SCISEARCH'

You have entered a file name of duplicates to keep that is not

referenced by any of the L#s specified for this DUPLICATE command.  
The file names of duplicates that can be kept are listed above.  
Please enter one of these file names.  
ENTER FILE NAMES OF DUPLICATES TO KEEP:  
ENTER FILE NAMES OF DUPLICATES TO KEEP:  
ENTER FILE NAMES OF DUPLICATES TO KEEP:L9  
'L17' IS NOT VALID. VALID FILE NAMES ARE 'EMBASE, CAPLUS, SCISEARCH'  
You have entered a file name of duplicates to keep that is not  
referenced by any of the L#s specified for this DUPLICATE command.  
The file names of duplicates that can be kept are listed above.  
Please enter one of these file names.  
ENTER FILE NAMES OF DUPLICATES TO KEEP:s L(  
'S' IS NOT VALID. VALID FILE NAMES ARE 'EMBASE, CAPLUS, SCISEARCH'  
You have entered a file name of duplicates to keep that is not  
referenced by any of the L#s specified for this DUPLICATE command.  
The file names of duplicates that can be kept are listed above.  
Please enter one of these file names.  
ENTER FILE NAMES OF DUPLICATES TO KEEP:log Y  
'LOG' IS NOT VALID. VALID FILE NAMES ARE 'EMBASE, CAPLUS, SCISEARCH'  
You have entered a file name of duplicates to keep that is not  
referenced by any of the L#s specified for this DUPLICATE command.  
The file names of duplicates that can be kept are listed above.  
Please enter one of these file names.



## Freeform Search

---

<b>Database:</b>	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

  

<b>Term:</b>	L8 and "antibody synthesis"
--------------	-----------------------------

  

<b>Display:</b>	<input type="text" value="10"/>	<b>Documents in Display Format:</b>	<input type="text" value="-"/>	<b>Starting with Number</b>	<input type="text" value="1"/>
-----------------	---------------------------------	-------------------------------------	--------------------------------	-----------------------------	--------------------------------

  

**Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

---

---

### Search History

---

**DATE:** Friday, December 16, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L12</u>	L11 and "anti IL-12 antibody"	0	<u>L12</u>
<u>L11</u>	L8 and IL-4	775	<u>L11</u>
<u>L10</u>	L8 and "antibody synthesis"	14	<u>L10</u>
<u>L9</u>	L8 and "antibody adj synthesis"	0	<u>L9</u>
<u>L8</u>	L7 and "antibody production"	867	<u>L8</u>
<u>L7</u>	L6 and Th1	1310	<u>L7</u>
<u>L6</u>	L3 and Th2	1416	<u>L6</u>
<u>L5</u>	L3 and Th2	1416	<u>L5</u>
<u>L4</u>	"monoclonal adj antibody"	0	<u>L4</u>
<u>L3</u>	L1 and "monoclonal antibody"	12568	<u>L3</u>
<u>L2</u>	L1 and "human and antibody and expression"	0	<u>L2</u>
<u>L1</u>	"transgenic mouse"	17819	<u>L1</u>

END OF SEARCH HISTORY